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FIG. 1A

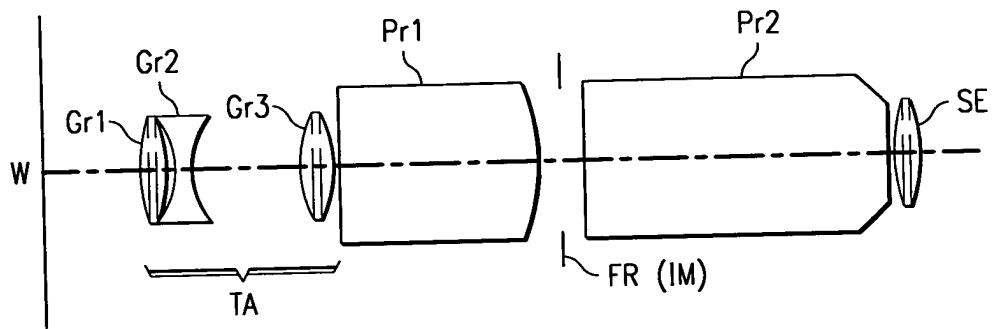


FIG. 1B

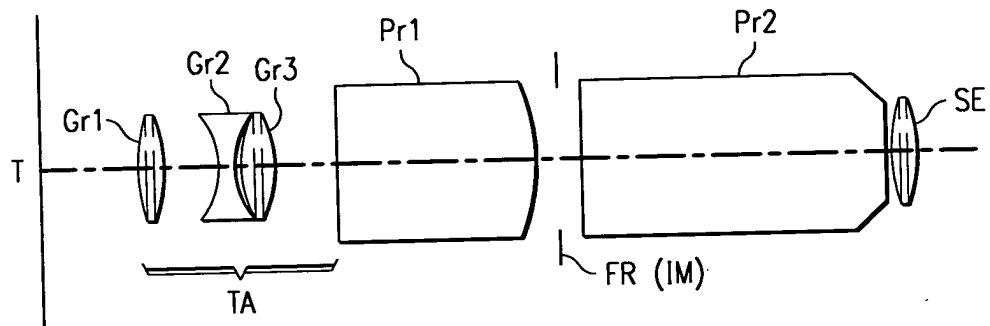


FIG. 2A

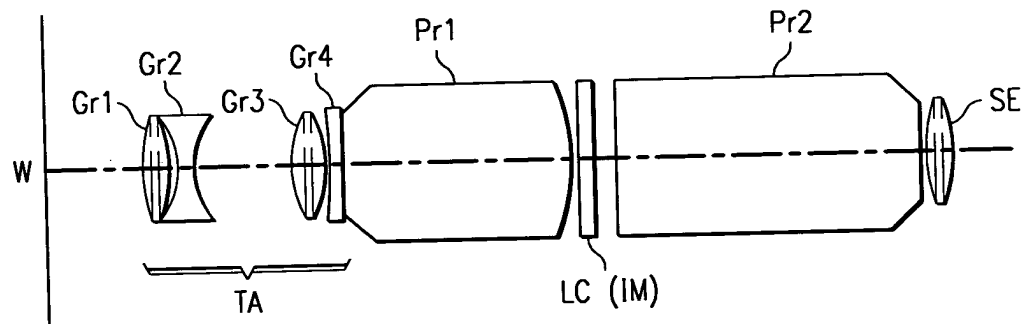


FIG. 2B

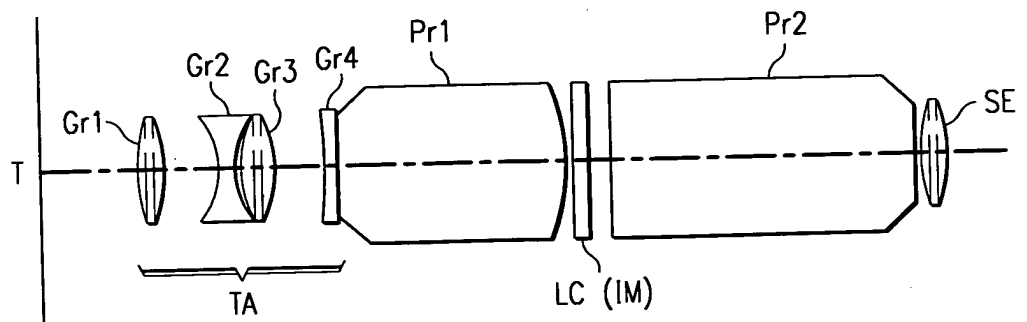


FIG. 3A

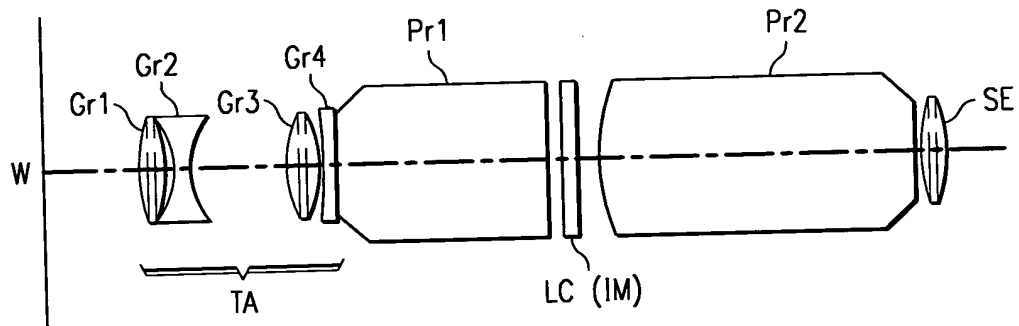


FIG. 3B

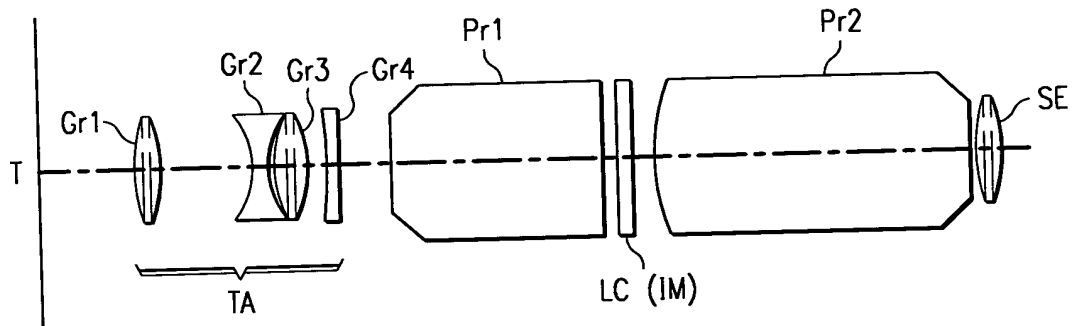


FIG. 4

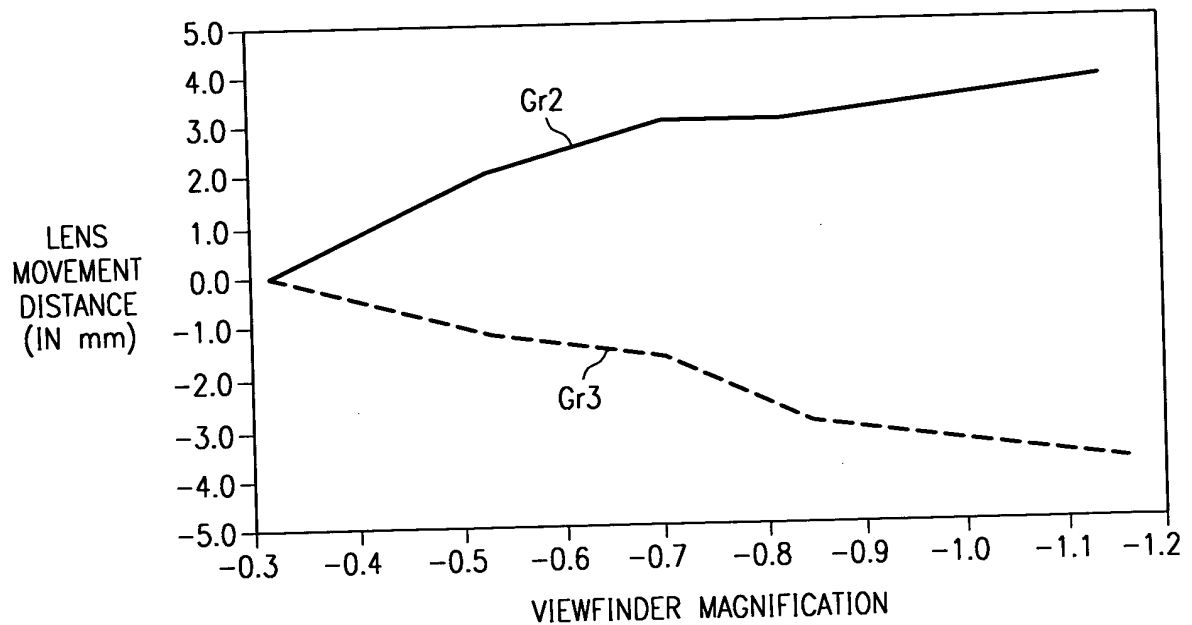


FIG. 5

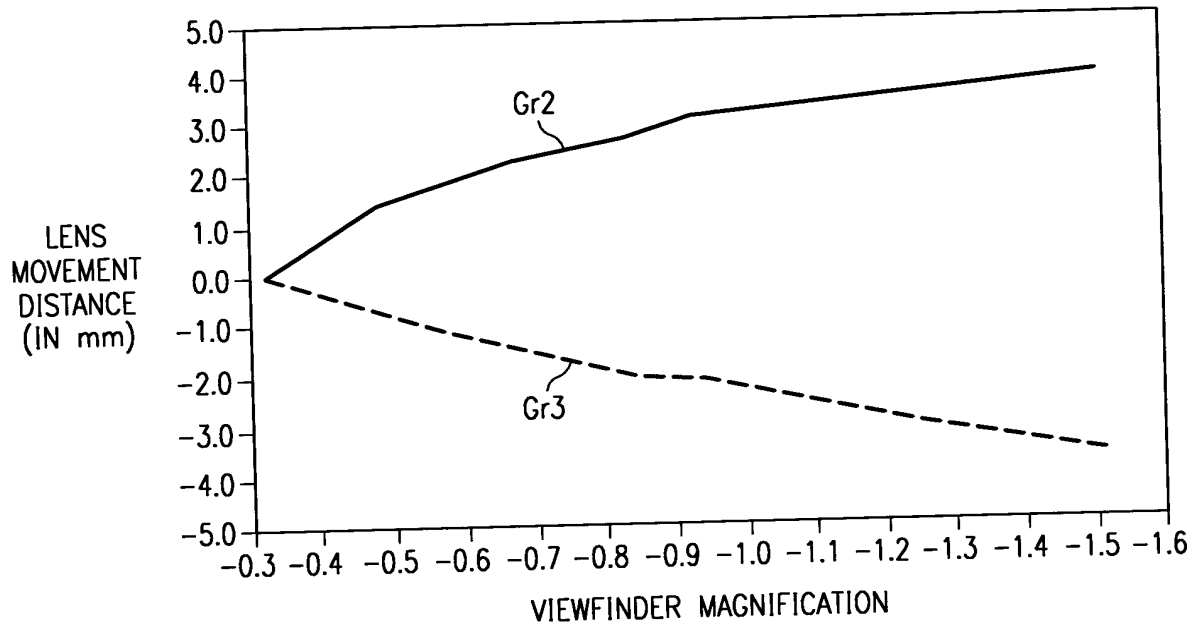


FIG. 6

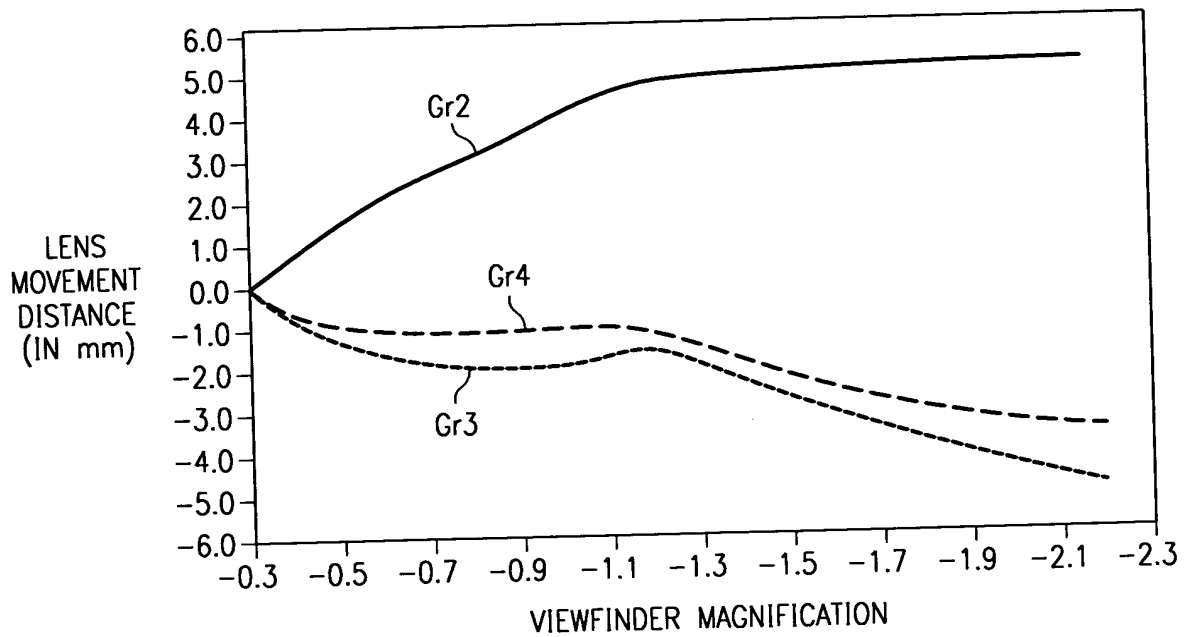
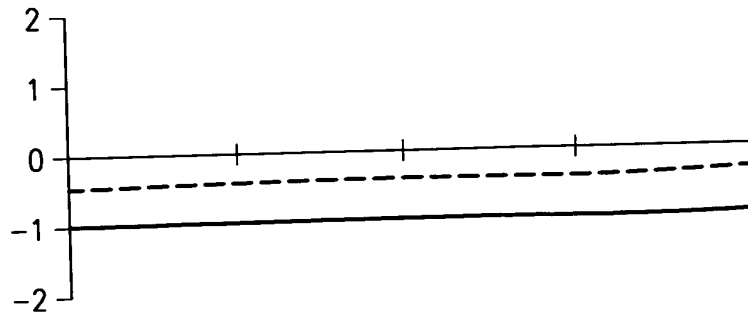
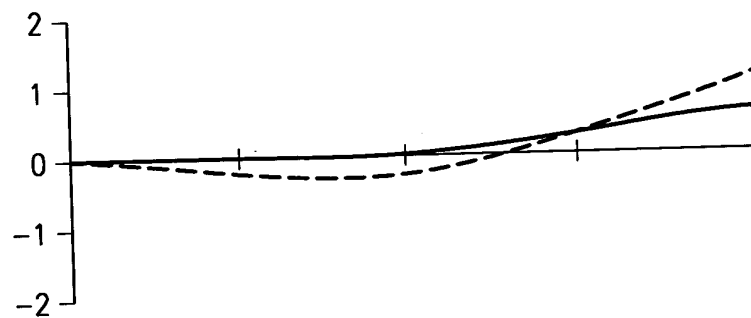


FIG. 7A

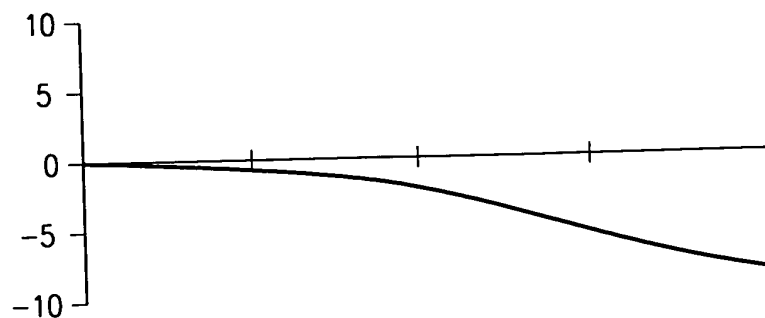
SPHERICAL ABERRATION AT THE WIDE ANGLE END
PUPIL DIAMETER 2.0 mm

*FIG. 7B*

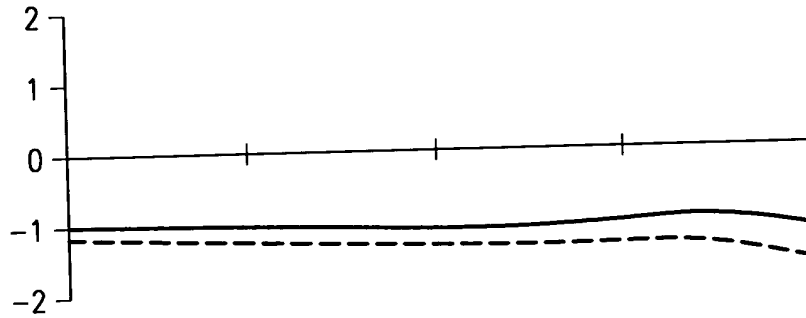
ASTIGMATISM AT THE WIDE ANGLE END

*FIG. 7C*

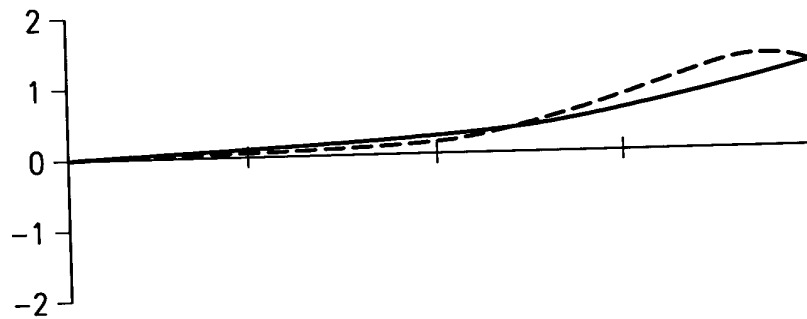
DISTORTION(%) AT THE WIDE ANGLE END



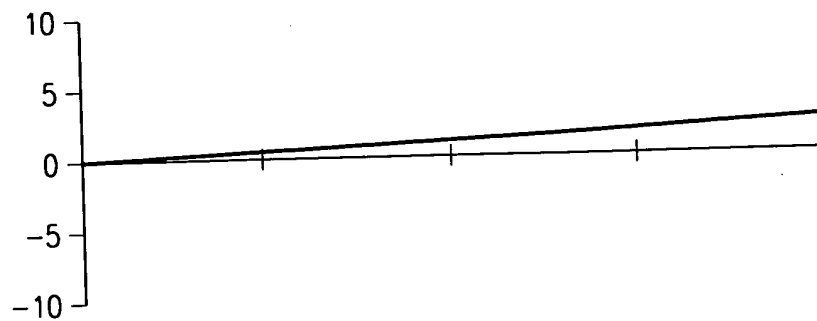
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*FIG. 7D*SPHERICAL ABERRATION AT THE TELEPHOTO END
PUPIL DIAMETER 2.0 mm*FIG. 7E*

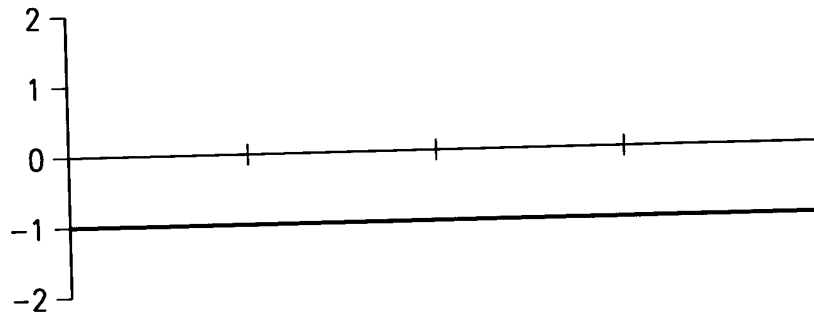
ASTIGMATISM AT THE TELEPHOTO END

*FIG. 7F*

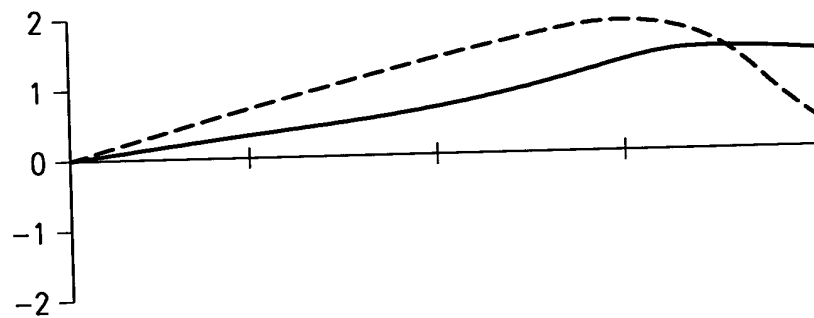
DISTORTION(%) AT THE TELEPHOTO END



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*FIG. 8A*SPHERICAL ABERRATION AT THE WIDE ANGLE END
PUPIL DIAMETER 2.0 mm*FIG. 8B*

ASTIGMATISM AT THE WIDE ANGLE END

*FIG. 8C*

DISTORTION(%) AT THE WIDE ANGLE END

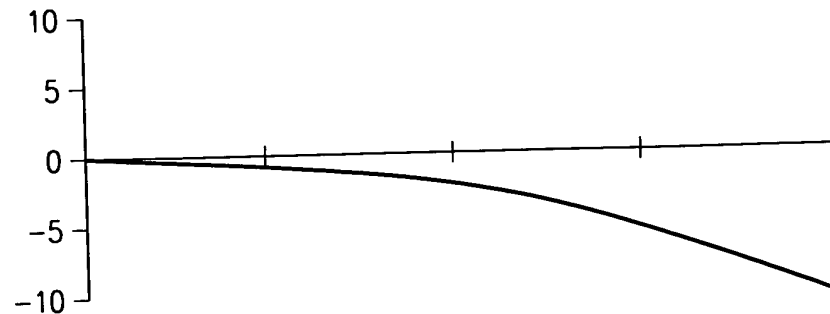
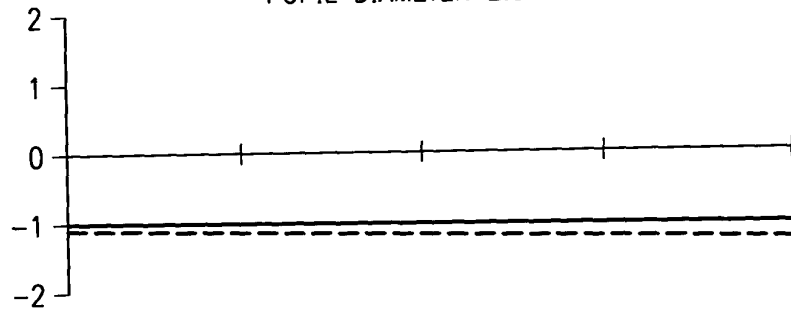
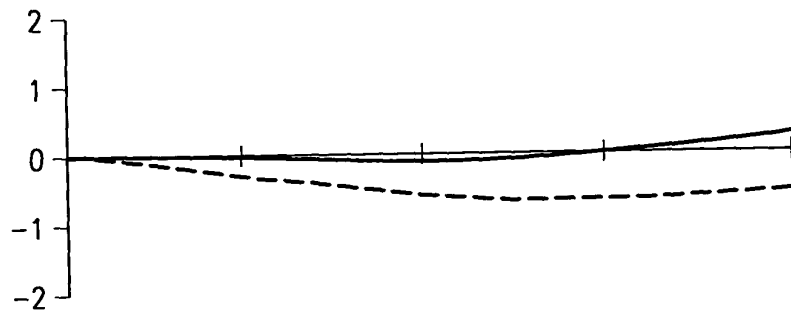


FIG. 8D

SPHERICAL ABERRATION AT THE TELEPHOTO END
PUPIL DIAMETER 2.0 mm

*FIG. 8E*

ASTIGMATISM AT THE TELEPHOTO END

*FIG. 8F*

DISTORTION(%) AT THE TELEPHOTO END

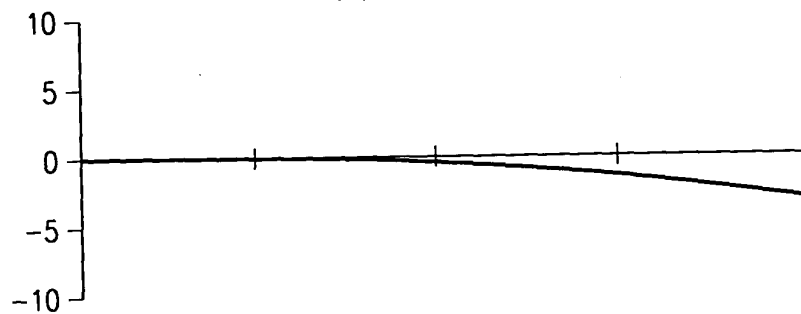
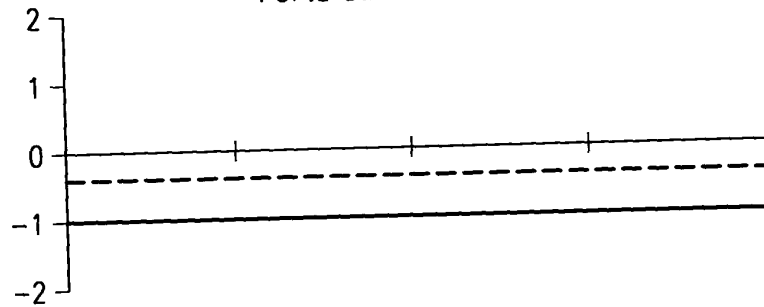
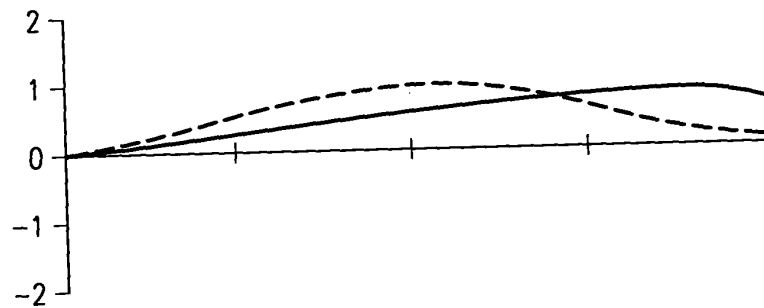


FIG. 9A

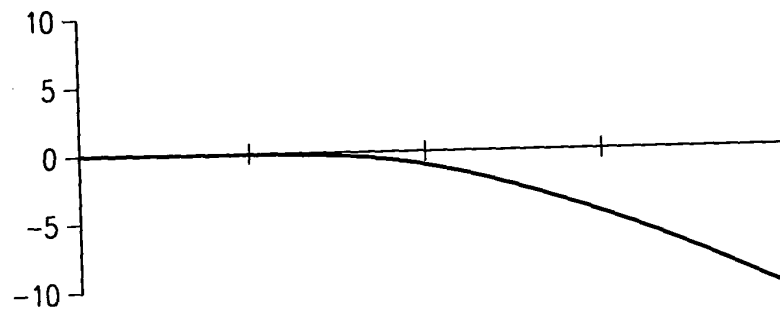
SPHERICAL ABERRATION AT THE WIDE ANGLE END
PUPIL DIAMETER 2.0 mm

*FIG. 9B*

ASTIGMATISM AT THE WIDE ANGLE END

*FIG. 9C*

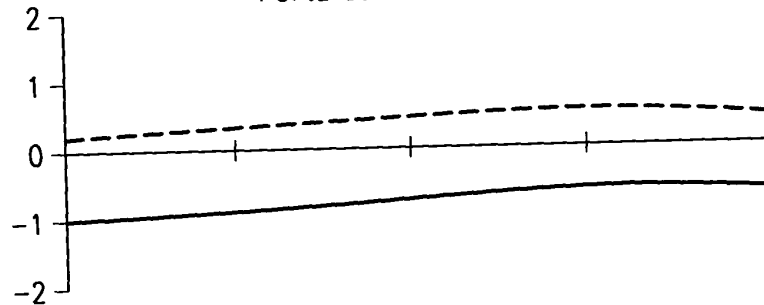
DISTORTION(%) AT THE WIDE ANGLE END



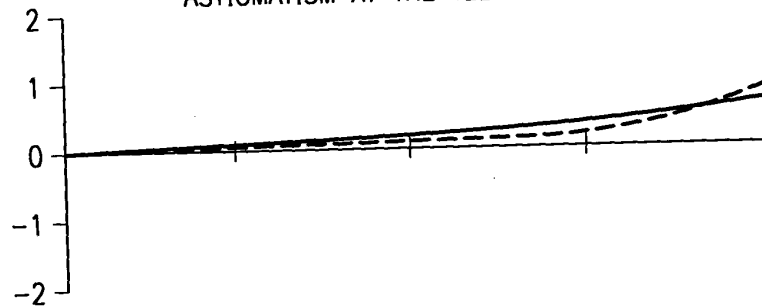
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FIG. 9D

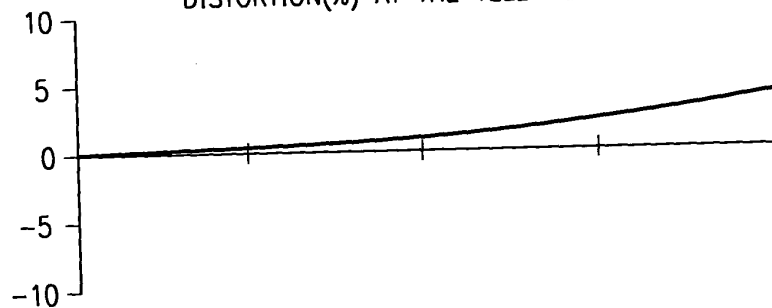
SPHERICAL ABERRATION AT THE TELEPHOTO END
PUPIL DIAMETER 2.0 mm

*FIG. 9E*

ASTIGMATISM AT THE TELEPHOTO END

*FIG. 9F*

DISTORTION(%) AT THE TELEPHOTO END

*FIG. 10*